

ABSTRACT OF THE DISCLOSURE

The invention concerns a method and a system for detecting a leakage in a pipeline (4) or similar conduit characterized by the use of an umbilical flexible tube (1) laid within and along said pipeline (4), the displacement of a solution column (2) within said umbilical flexible tube (1), the measurement of the pressure (P) at the front (3) of said solution column (2) and the localization of said front (3) from the said measured pressure (P).